



Objectives for Human Missions to NEOs

Precursor Group 2

Presented by: Sandra Magnus

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Magnitude of Findings



Theme	Number of Objectives
Demonstrate Deep Space Capabilities	11
Scientific Research	12
Planetary Defense	8
Other	4

Key Observations



- Objectives:
 - Determine physical/structural characteristics of NEOs
 - Surface and Internal
- Activities: Phase I
 - Telerobotic surveys
 - Remote sensing
- Activities: Phase II
 - Demonstrate/test crew interaction with tools
 - Trained observers
- Targets:
 - Planetary Defense
 - Type S, M
 - Science
 - Binary Systems, Dead Comets, Type D, P, G...

Key Observations



- Objectives:
 - Exercising Concept of Operations
- Activities:
 - Communication delays
 - Onboard autonomy
 - Emergency response
 - Teamwork at a distance
 - Split of responsibilities between the ground and the crew
- Targets:
 - Any



Backup

Parking Lot



- Optional chart

Possible Breakout Discussions for Tomorrow



- Optional Chart